Tamiami Trail Flow Formula (TTFF) - Target Flow from WCA-3A to ENP

9/22/2020

to

9/28/2020

MAX cfs

Observed Stage Data							
Station WCA-3A (Average for Site 63, 64 and 6 NESRS2 Regulatory Stage WCA-3A	Variable Nerage Daily Stage Average Daily Stage Stage			on	9/18/2020	8.02	Unit ft-NGVD29 ft-NGVD29 ft-NGVD29
Observed Flow Data							
Station S-12A S-12B S-12C S-12D S-333 S-333N S-334 S-12s Total S333 + S333N - S334 Total Flow to ENP Meteorological Data Forecasted WCA3 7-day Quantitative Precipitation Forms 3AS3WX - 7-day Total Forecasted PET Observed WCA-3 7-day Total Observed NEXRAD Ra		From From From	9/12/2020 9/19/2020 9/19/2020 9/12/2020	to to to	9/18/2020 9/25/2020 9/25/2020 9/18/2020	Value 288 219 242 489 1192 N/A 0 1237 1192 2429 Value 1.19 0.91 Value 1.22	cfs
3AS3WX 7-day Total Observed PET						0.91	
TTFF Application							
Previous week target flow (calculated with forecasted 7-day QPF and PET) Previous week target flow (recalculated with observed rainfall and PET) Adjustment for forecast (2-1) This week calculated target flow This week target flow with adjustment (3 + 4)					MAX MAX 0 MAX MAX	cfs cfs cfs	
Average Daily Target Flow ²					MAX	cfs	

Target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to prioritize water deliveries to NESRS first and WSRS second, subject to downstream constraints.

TTFF formula coefficients

Forecast Precipitation (β4)

Forecast PET (β5)

Regulation Schedule Stage (β6)

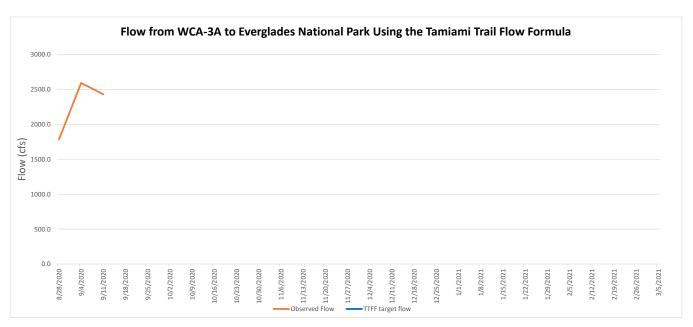
Previous 7-day Average Flow (β3)

NESRS2 Stage (β2)

-44.62

WCA-3A Average Stage (β1)

Daily Target Flow for



 $^{^{1}}$ S-333 + S-333N - S-334 becomes zero if the sum of S-333 and S-333N is less than S-334 flow. Calculation is done daily.

²Actual discharges may vary from target discharges because of changing hydrologic conditions.